

3.19 Vectors (odd answers)

1. Vector
3. direction
5. draw these
7. $|v_x| = 1.9$, $|v_y| = 4.1$
9. magnitude: 2, direction angle: 30°
11. magnitude: 5, direction angle: 0°
13. $\langle 4\sqrt{2}, 4\sqrt{2} \rangle$
15. $\langle 17.5, -4 \rangle$
17. $\langle 18, -22 \rangle$
19. -34
21. 32.5°
23. perpendicular
25. neither
27. $-7i - j$
29. magnitude: $\sqrt{29}$, direction angle: 158.2°